

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (canceled)

1 **Claim 4 (currently amended):** A magnetron drive power
2 supply comprising a commercial power supply, a high-
3 frequency inverter for converting electric power of the
4 commercial power supply into high-frequency power and
5 supplying the high-frequency power to a high-voltage
6 transformer, a high-voltage rectification circuit and a
7 magnetron being connected to secondary output of the high-
8 voltage transformer, a means to monitor the voltage of the
9 commercial power supply comprising an input current
10 detector which detects a current value of the high-
11 frequency inverter, and controller for controlling the
12 high-frequency inverter, characterized in that loss of
13 voltage from the commercial power supply is determined and
14 the controller stops the high-frequency inverter if the
15 detection value of the input current detector has a
16 predetermined difference from a target value continuously
17 for a given time, ~~the controller stops the high-frequency~~
18 inverter.

1 **Claim 5 (original):** The magnetron drive power supply
2 as claimed in claim 4 wherein the predetermined difference
3 between the detection value of the input current detector
4 and the target value is set in response to the target
5 value.